Index of Claims

| Appl | ication/ | <b>Control</b> | No. |
|------|----------|----------------|-----|
|------|----------|----------------|-----|

10/608,635

Applicant(s)/Patent under Reexamination

WARNAKULASOORIYA ET

AL.

Examiner

Stephen W. Jackson

2836

**Art Unit** 

√ Rejected
= Allowed

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   |                                |

Restricted

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cl             | aim      | Date      |  |            | Claim Date |                         |         |              |          |           |              |          |          | 1               | Claim Date |          |          |   |          |               |     |                        |            |          |                 |  |                 |          |  |                 |          |          |
|----------------|----------|-----------|--|------------|------------|-------------------------|---------|--------------|----------|-----------|--------------|----------|----------|-----------------|------------|----------|----------|---|----------|---------------|-----|------------------------|------------|----------|-----------------|--|-----------------|----------|--|-----------------|----------|----------|
| <del>- "</del> |          | $\vdash$  | Т  |            |            |                         |         |              |          |           | ĺ            |          |          |                 |            |          |          |   |          |               | _   |                        |            |          |                 |  |                 |          |  |                 |          |          |
| Final          | Original | 90-9-2    | ,  |            |            |                         |         |              |          |           | Final        | Original |          |                 |            |          |          |   |          |               |     | Final                  | Original   |          |                 |  | •               |          |  |                 |          |          |
|                | 1        | N         |  | ┢          | ╈          | +                       | +       | +            | +-       | Н         |              | 51       | ╁        | Н               | $\dashv$   | $\dashv$ | +        | +   | +        | +-            | 1   |                        | 101        | -        | $\vdash$        | $\vdash$   | <u> </u>        | -        | ├  | $\dashv$        |          | H        |
|                | 2        | ٧,        | H  | t          | ╁╴         | ╅                       | +       | T            | +        | Н         | <u> </u>     | 52       | <u> </u> | H               | $\dashv$   | $\dashv$ | $\dashv$ | +   | +        | +             | 1   |                        | 102        | $\vdash$ | -               | ┢  | $\vdash$        | -        | $\vdash$   | $\vdash$        | _        | $\vdash$ |
| <u> </u>       | 3        | H         | $\vdash$   | T          | ╁          | $\top$                  | 十       | ╈            | +-       | Ħ         | <b></b>      | 53       | t        | H               |            | $\dashv$ | 十        | $\dashv$  | +        |               | 1   |                        | 103        | -        | 1               |  | 1               | $\vdash$ | ┢  |                 | _        |          |
|                | 4        | П         | Ħ  | T          | †          | 十                       | o       | 十            | 1        | Ħĺ        |              | 54       |          | П               |            |          | 寸        | 7   | 7        | _             | 1   |                        | 104        | $\vdash$ | $\vdash$        | ┢  |                 |          | <del>                                     </del> | $\vdash$        | _        | Н        |
|                | 5        | 1         | <del>                                     </del> | 1          | 1          | T                       | +       | ✝            | 1        |           |              | 55       |          | П               | 7          | $\dashv$ | 7        | $\top$  | 1        | $\neg$        | 1   |                        | 105        | $\vdash$ | $\vdash$        | ┢  | $\vdash$        | _        | $\vdash$   | $\dashv$        |          | Н        |
|                |          | N.        | 17   |            | †          | 1                       | $\top$  | ✝            | 1        |           |              | 56       | 1        | П               | $\dashv$   | $\neg$   | 寸        | +   | 7        | _             | 1   | <del>-</del>           | 106        |          |                 | <del>                                     </del> | $\vdash$        |          | $\vdash$   | $\dashv$        |          | Н        |
|                | 7        | し         | 1  | Τ          | 1          | T                       | T       | T            | 1        | П         |              | 57       |          | П               |            |          | ヿ        | $\top$  | 7        |               | 1   |                        | 107        | <u> </u> | T               | $\vdash$   | $\vdash$        | _        | <u> </u>   | $\vdash \vdash$ |          | Н        |
|                | 8        | 0         | ┢  |            | 1          | ┪                       | Т       | 1            |          |           |              | 58       | Г        | П               | _          |          | 1        | 十   | 7        |               | 1   |                        | 108        | $\vdash$ |                 | $\vdash$   |                 |          |  | H               | _        | Н        |
|                | 9        | ī         | Γ  | Г          | T          | 1                       | Т       | T            |          |           |              | 59       |          | П               |            |          | $\neg$   |   | T        |               | 1   |                        | 109        |          |                 | Т  |                 |          | $\vdash$   | $\dashv$        |          | П        |
|                | 10       | П         | 1  | Т          | Ī          |                         | T       | 1            |          |           |              | 60       |          | П               | ヿ          |          |          | $\top$  | 1        | $\neg \vdash$ | 1   |                        | 110        | $\vdash$ | $\vdash$        | T  |                 | _        | Т  | $\dashv$        |          | М        |
|                | 11       | П         |  | Г          | T          | 1                       | Ť       | T            | i        |           |              | 61       | Г        | П               |            |          | T        | $\top$  | ヿ        |               | 1   |                        | 111        |          |                 |  |                 |          | -  | $\exists$       |          | П        |
|                | 12       | $\prod$   | $L^-$  | Ι          | $\Box$     |                         |         | T            | T        |           |              | 62       | Ī        | П               | T          |          |          | $\top$  | $\dashv$ | $\neg   \neg$ | 1   |                        | 112        |          | $\vdash$        | <u> </u>   | Г               |          |  |                 |          | П        |
|                | 13       | $\prod$   |  |            | Ι          |                         | $\perp$ | Ι            | Ι        |           |              | 63       |          |                 |            |          |          |   | 7        | $\neg \vdash$ | 1   |                        | 113        | Г        |                 |  |                 |          | Г  |                 |          |          |
|                | 14       | 1         |  |            | Ι          | $oldsymbol{\mathbb{I}}$ | Ι       | $\prod$      |          |           |              | 64       |          |                 |            |          |          |   |          |               | ]   |                        | 114        | T        | П               | Г  |                 |          | П  |                 | $\neg$   | П        |
|                | 15       | 0         |  |            |            |                         |         | $oxed{\Box}$ |          |           |              | 65       |          |                 |            |          |          |   | _        |               | ]   |                        | 115        |          |                 |  |                 |          |  |                 |          | П        |
|                |          | N         |  |            |            |                         |         |              |          |           |              | 66       |          |                 |            |          |          | $\top$  | T        |               | ]   |                        | 116        |          |                 |  |                 |          |  |                 |          |          |
|                | 17       |           |  | L          |            | $\perp$                 | L       |              |          |           |              | 67       |          |                 |            |          |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |               | ]   |                        | 117        |          |                 |  |                 |          |  | ヿ               |          |          |
|                | 18       | Ц         | L  | L          |            |                         | $\Box$  |              |          |           |              | 68       |          |                 |            |          | T        | Т   | T        |               | ]   |                        | 118        |          |                 |  |                 |          |  |                 |          |          |
|                | 19       |           |  |            |            |                         |         |              |          |           |              | 69       |          |                 |            |          |          | Т   | Ţ        |               | ]   |                        | 119        |          |                 | Г  |                 |          |  |                 |          |          |
|                |          | N         | /  |            |            |                         |         |              |          |           |              | 70       |          |                 | $\Box$     |          |          | $\Box$  | T        |               | 1   |                        | 120        |          |                 |  |                 |          | Г  |                 |          |          |
|                | 21       | V         | Ĺ  |            | L          | $\perp$                 |         |              |          |           |              | 71       |          |                 |            |          |          | $\top$  | $\Box$   |               |     |                        | 121        |          |                 |  |                 |          |  | T               |          |          |
|                |          | 0         | L  |            | $\perp$    | $\perp$                 | L       |              |          | Ш         |              | 72       |          |                 | [          |          |          |   |          |               | ]   |                        | 122        |          |                 |  |                 |          |  |                 |          |          |
|                | 23       | Ш         | L  | L          | ┸          | ┸                       | 上       | 丄            | 上        |           |              | 73       | L        |                 |            |          | $\perp$  | $\perp$   |          |               | ]   |                        | 123        |          |                 |  |                 |          |  |                 |          |          |
|                | 24       | Ш         | L.   | L          | 上          | ┷                       | 1       | ┸            |          | Ш         |              | 74       | <u> </u> |                 |            |          | $\perp$  |   | $\perp$  |               |     |                        | 124        |          |                 |  |                 |          |  |                 |          |          |
|                | 25       | Ц.        | _  | L          | ↓_         | $\perp$                 | ↓.      | ╙            | ↓_       |           |              | 75       | <u> </u> |                 | _          |          |          |   |          |               |     |                        | 125        |          |                 |  |                 |          |  |                 |          |          |
|                | 26       | $\coprod$ |  | L          | $\perp$    | ┸                       | 1_      | ╀            | <u> </u> | Ш         |              | 76       | L        | Ш               | _          | _        | _        |   | _        |               | ]   |                        | 126        |          |                 |  |                 |          |  |                 |          |          |
|                | 27       | Ц_        | _  | L          | ↓_         | ↓_                      | ┸       | $\perp$      |          | Ш         | <u> </u>     | 77       | <u> </u> |                 | $\dashv$   | _        | $\perp$  | ┵   | 4        |               | ] . |                        | 127        | <u> </u> |                 |  |                 |          |  |                 |          |          |
|                | 28       | 0         | L.   | L          | ╄          | ↓                       | 1_      | $\downarrow$ | _        | Щ         | <u> </u>     | 78       | L        | Ш               | _          | _        | $\perp$  | 典   | _        |               |     |                        | 128        |          |                 |  |                 | i        |  |                 |          |          |
|                | 29       |           | <u> </u>   | _          | ↓_         | 1                       | ╄       | ļ            | ļ        | Ш         |              | 79       | <u> </u> |                 |            |          | _        | _   | 4        |               |     |                        | 129        |          |                 |  |                 |          |  |                 |          | Ш        |
|                | 30       |           | _  | L          | ╀-         | ╀                       | 1       | 4_           | 4        | Ш         |              | 80       | <b> </b> |                 | $\dashv$   | 4        | 4        | _   | 4        |               |     |                        | 130        |          |                 | L  |                 |          | L  | _               | _        |          |
|                | 31       | L_        | _  | L          | ╄          | ╀                       | $\bot$  | -            | 1        | Н         |              | 81       |          |                 |            |          | 4        | _   | 4        |               |     |                        | 131        |          |                 |  |                 |          | L  | _               | _        |          |
|                | 32       |           |  | <b> </b> - | ╀-         | ╀                       | ╀       | -            | <b>-</b> | Щ         | <u> </u>     | 82       | ├_       |                 | _          | _        | -        | _   | 4        |               |     |                        | 132        |          | Щ               | _  |                 |          |  |                 |          | $\Box$   |
|                | 33       |           | <u> </u>   | ⊢          | ╀          | -                       | ╀       | -            | +        | Н         | -            | 83       | ـ        | $\vdash$        |            | -        | $\dashv$ | +   | 4        | $\perp$       | -   |                        | 133        |          |                 | _  | _               | _        |  |                 |          |          |
|                | 34<br>35 | $\vdash$  | $\vdash$   | -          | +          | +-                      | +       | ╄            | +-       | Н         | <del> </del> | 84       | ├_       |                 | $\dashv$   | -        | -        |   | +        | -             |     |                        | 134        | <u> </u> | Н               | $\vdash$   | $\vdash$        |          | Щ  |                 | _        | $\dashv$ |
|                | 36       | <u> </u>  |  | ⊢          | +          | +-                      | ╀       | +            | ╀        | Н         |              | 85<br>86 | ⊢        | $\vdash \vdash$ | -          | -        | -+       | +   | +        |               | -   | $\vdash$               | 135        | <u> </u> | Н               | Н  | $\vdash$        | $\vdash$ | Щ  | _               | _        |          |
|                | 37       | -         | $\vdash$   | ⊢          | ╁          | ╁                       | ╁       | ┿            | -        | H         |              | 87       | ┼-       | $\vdash \vdash$ | -          | -        | +        | +   | +        | +             | -   |                        | 136        |          | Н               | -  | $\vdash$        |          | $\vdash$   | $\dashv$        | 4        |          |
|                | 38       | _         | $\vdash$   | ⊢          | +-         | ╁                       | ╁       | +            | +        | H         |              | 88       | $\vdash$ |                 | $\dashv$   |          | +        | +   | +        | +             | 1   | $\vdash$               | 137        | _        | Н               | -  | $\vdash \vdash$ | $\vdash$ | $\vdash$   |                 | 4        | ႕        |
|                | 39       | <u> </u>  | $\vdash$   | ⊢          | +-         | +-                      | +-      | +            | +        | Н         |              | 89       | $\vdash$ | $\vdash$        | -+         | -        | -+       | +   | +        | +             |     | $\vdash$               | 138        | <u> </u> | Н               |  | $\vdash$        | -        | $\vdash$   |                 | $\dashv$ | $\dashv$ |
|                | 40       | -         | $\vdash$   | $\vdash$   | +          | +-                      | +       | +            | +-       | $\vdash$  | $\vdash$     | 90       | -        |                 | -          | $\dashv$ | +        | +   | +        | +             |     | $\vdash$               | 139        |          | $\vdash$        | <u> </u>   | $\vdash$        | $\vdash$ | Н  | -               | -        |          |
|                | 41       | -         | ┢  | $\vdash$   | +          | +                       | +       | +            | +        | $\vdash$  | $\vdash$     | 91       | ├─       | $\vdash$        | $\dashv$   | $\dashv$ | +        | +   | +        |               |     | $\vdash$               | 140<br>141 |          | $\vdash$        | $\vdash$   | $\vdash$        |          | Н  |                 | 4        |          |
|                | 42       | -         | $\vdash$   | $\vdash$   | +          | +                       | +       | +            | +        | Н         |              | 92       |          | ├─┤             |            | -+       | +        | +   | +        | +             | {   | ┝─┤                    | 141        | _        | $\vdash$        | $\vdash$   |                 | $\vdash$ | Н  | -               | -        | $\dashv$ |
|                | 43       |           | $\vdash$   | ┢          | +          | +                       | ╁╌      | +            | ╁        | H         |              | 93       | $\vdash$ | $\vdash$        | $\dashv$   | +        | +        | +   | +        | +             | ١,  | $\vdash$               | 143        |          | $\vdash$        | $\vdash$   | $\vdash$        | $\dashv$ |  | -+              | $\dashv$ | $\dashv$ |
|                | 44       | _         | $\vdash$   | $\vdash$   | +          | +                       | +       | ╁╴           | ╁        | H         |              | 94       |          | $\vdash$        | $\dashv$   | $\dashv$ | +        | +   | ╁        | +             | 1   | ┝╌┤                    | 144        |          | $\vdash$        | $\vdash$   | $\vdash$        | $\dashv$ | $\vdash$   | $\dashv$        | -        | $\dashv$ |
|                | 45       | -         | -  | $\vdash$   | +          | +                       | +       | +-           | +        | $\dashv$  | -            | 95       | $\vdash$ | $\vdash \vdash$ | -          | $\dashv$ | -+       | +   | +        |               | 1   | ├─┤                    | 145        | -        | $\vdash$        | $\vdash$   | $\vdash$        | $\dashv$ | H  | -               | $\dashv$ | $\dashv$ |
|                | 46       |           | -  | $\vdash$   | +-         | +-                      | +-      | ╁            | +-       | Н         | <b></b>      | 96       | $\vdash$ | $\vdash$        | $\dashv$   | $\dashv$ | $\dashv$ | +   | +        | +             |     | ┝╌┤                    | 146        | -        | $\vdash$        | $\vdash$   | $\vdash$        |          | Н  |                 | -        | $\dashv$ |
| _              | 47       | _         | $\vdash$   | $\vdash$   | +-         | 十                       | +       | +            | +        | Н         | <u> </u>     | 97       | $\vdash$ | $\vdash$        | $\dashv$   | $\dashv$ | $\dashv$ | +   | +        | +             | 1   | $\vdash \vdash \vdash$ | 147        | _        | $\vdash \vdash$ | $\vdash$   | $\dashv$        | -        | Н  | -+              | -        | -        |
|                | 48       |           |  | -          | T          | †-                      | +       | T            | T        | $\dashv$  |              | 98       |          | $\vdash$        | -          | $\dashv$ | +        | +   | +        | +             | 1   | $\vdash \vdash \vdash$ | 148        |          | $\vdash$        | $\vdash$   | $\dashv$        | -        | $\vdash\vdash\vdash$                             | -+              | $\dashv$ | ᅱ        |
|                | 49       |           | -  | -          | t          | t                       | $^{+}$  | †            | $\vdash$ | $\forall$ |              | 99       | П        |                 | -          | _        | $\dashv$ | +   | +        | +-            |     |                        | 149        |          | H               | H  |                 | $\dashv$ | $\vdash$   | +               | -        | $\dashv$ |
|                | 50       |           | $\vdash$   |            | t          | T                       | T       | t            | †        | Н         |              | 100      | Н        | $\vdash$        | $\dashv$   | $\dashv$ | $\dashv$ | +   | +        | +             | 1 1 | $\vdash$               | 150        |          |                 | H  |                 | -        | $\vdash$   | -               | $\dashv$ | $\dashv$ |
|                |          |           |  | Ь_         |            |                         | 1       |              | Ь.       | لب        | Ь            |          |          |                 | 1          |          |          |   |          |               | ו נ | ——                     | .00        |          | 1               | لـــا  |                 |          |  |                 |          |          |